

**Commonwealth of Kentucky
Division for Air Quality**

PERMIT APPLICATION SUMMARY FORM

Completed by: HERBERT CAMPBELL

GENERAL INFORMATION:

Name:	Union Underwear Company, Inc.
Address:	Fruit of the Loom Drive Jamestown, KY 42629
Date application received:	June 23, 2005
SIC/Source description:	2322; Men's and Boys Underwear MFG
Source ID #:	021-207-00017
Source A.I. #:	3894
Activity #:	APE20050003
Permit number:	V-05-052

APPLICATION TYPE/PERMIT ACTIVITY:

<input type="checkbox"/> Initial issuance	<input type="checkbox"/> General permit
<input type="checkbox"/> Permit modification	<input type="checkbox"/> Conditional major
__Administrative	<input checked="" type="checkbox"/> Title V
__Minor	<input checked="" type="checkbox"/> Synthetic minor
<u>X</u> Significant	<input type="checkbox"/> Operating
<input checked="" type="checkbox"/> Permit renewal	<input checked="" type="checkbox"/> Construction/operating

COMPLIANCE SUMMARY:

<input type="checkbox"/> Source is out of compliance	<input type="checkbox"/> Compliance schedule included
<input type="checkbox"/> Compliance certification signed	

APPLICABLE REQUIREMENTS LIST:

<input type="checkbox"/> NSR	<input checked="" type="checkbox"/> NSPS	<input checked="" type="checkbox"/> SIP
<input type="checkbox"/> PSD	<input type="checkbox"/> NESHAPS	<input type="checkbox"/> Other
<input type="checkbox"/> Netted out of PSD/NSR	<input type="checkbox"/> Not major modification per 401 KAR 51:017, 1(23)(b) or 51:052,1(14)(b)	

MISCELLANEOUS:

- ☐ Acid rain source
- ☐ Source subject to 112(r)
- ☒ Source applied for federally enforceable emissions cap
- ☐ Source provided terms for alternative operating scenarios
- ☐ Source subject to a MACT standard
- ☐ Source requested case-by-case 112(g) or (j) determination
- ☐ Application proposes new control technology
- ☒ Certified by responsible official
- ☐ Diagrams or drawings included
- ☐ Confidential business information (CBI) submitted in application
- ☐ Pollution Prevention Measures
- ☐ Area is non-attainment (list pollutants):

EMISSIONS SUMMARY:

Pollutant	Actual (tpy)**	Potential (tpy)
PM/PM ₁₀	6/2	562/176
SO ₂	93	904
NO _x	87	543
CO	42	450
VOC	1.46	30
LEAD	0.097	0.1

** Actual based on 2004 EIS reported values.

SOURCE DESCRIPTION:

Union Underwear Company, Inc. is a manufacturing plant for Men's and Boy's underwear. Applications for construction of a new 95 mmBtu/hr boiler and the renewal of the Title V / Synthetic Minor Permit, V-00-030, for the Union Underwear Company, L.L.C. were received on March 2, 2005 and June 23, 2005, respectively. The new construction is a 95mmBtu/hr natural gas or #6 oil fired boiler. This construction is being combined with the renewal application.

Several steam dryers that were classified as insignificant activities were removed and replaced by natural gas dryers. Due to their current burner sizes these natural gas dryers can meet the definition of insignificant activity. However, these dryers are equipped so that the burner sizes may be increased and the Potential to Emit (PTE) of each regulated air pollutant could exceed 5 tons/year and the gas fired dryers would not then be classifiable as insignificant activities. Therefore, the source requests that all natural gas fired dryers be combined as one emission point for permitting and recordkeeping ease.

EMISSION AND OPERATING CAPS DESCRIPTION:

Union Underwear Company, Inc. requests plant-wide federally enforceable permit limit of 225 tons per year for all regulated pollutants in order to preclude 401 KAR 51:017, Prevention of Significant Deterioration (PSD) regulations. Also, Union Underwear Company, Inc. requests to remove the coal usage limit of 14,840 tons per year and replace with limits for all fuels commensurate with Synthetic Minor emission limitations. However, boilers shall not burn fuels concurrently so as to stay at or below the permitted level for all regulated air pollutants.